

We face common challenges in a rapidly evolving, complex topic...

Objectives of quarterly meetings include:

- Knowledge transfer
- Maximize leveraging and collaboration
- Discuss and identify priority areas for unified approaches across the watershed
- Identify tangible ways the CBP partnership (TCW) can assist with promoting consistency and advance science gaps



Quarterly PFAS Meetings within TCW

Priority Topics Covered in 2023

- *Working towards common analytical and field methods and approaches*
- *Development of fish consumption advisories and aquatic species criteria*
- *Improving our understanding of land-applied biosolids*
- *Tools and monitoring to inform source assessment*

January 2024 Menti Results

- Positive response to continue meetings in 2024
- No format changes recommended, but open to suggestions
- Some volunteers for small working groups outside of the quarterly meetings
 - Actions identified in 2023/2024 meetings
 - Project planning
 - Capacity building

PFAS Meetings 2024

- DATES: April 10, June 12, September 11, and December 11, 2024 – 1-3 pm
- April 10, 2024: Ecological effects and risk assessment of PFAS
- June 12, 2024: Methods updates, data quality issues unique to PFAS (including blank contamination)
- September and December plans coming soon!



Brainstorming of GIT Funding Ideas

EPA CBPO leadership is meeting with the Goal Implementation Teams (GITs) to determine funding needs. TCW should develop 1-2 concrete priorities to forward to the WQGIT. For consideration:

- PFAS science needs from STAC report and quarterlies
- STAR science needs (not repeated in other bullets)
- Policy and Prevention strategy needs and gaps such as
 - Compare and consolidate PCB source tracking guidance between jurisdictions – PMP, source tracking
 - PCBs-era land use analysis (buildings, such as schools)
- Other issues of emerging concern like 6-PPD, 6-PPDQ, microplastics, or road salt
- Educational outreach
 - FCAs, signage especially related to PFAS
 - Risk communication on PFAS – different topics?
 - Other

High priority science needs from Improving the Understanding and Coordination of Science Activities for PFAS in the Chesapeake Watershed (Smalling and others, 2023)

Urgent, short-term

- ✓ Temporal and spatial assessment in tributaries
- ✓ Coupled fish and surface water sampling

Near-term

- ✓ Regionally uniform approach for consumption advisories.
- ✓ Effects on different life-stages of fisheries.

Near- to mid-term

- ✓ Land-use impacts.
- ✓ Biological effects at low concentrations.
- ✓ Movement through the food web.

Long-term

- ✓ Multiple stressor studies
- ✓ Non-lethal toxicity with emphasis on long term exposures
- ✓ Interface between water and land.

PFAS Quarterly Needs and Gaps

- Methods and Approaches
 - Guidance for private well sampling and analysis for PFOS and PFOA
 - Review and development of decision tree for methods selection based on study objectives, analyte list
 - Method variability in same matrix between analytical approaches, side by side evaluations
- Biosolids
 - Review and recommendations of the use of total organofluorine method as a screening tool for assessment of suitability for land application
 - Background study of PFAS related to agricultural land use in CB (including precipitation, etc)

STAR Science Needs Database Items

- Evaluate trends in select watersheds of the CB
 - Mercury in surface water
 - PCBs in fish
- Design and cost enhanced monitoring for PCBs to evaluate recovery of surface water/fish in a focus area where management of PCBs is occurring


Educational Outreach and Communication

- PFAS and fish
- General PFAS in CB with links to ongoing efforts
- Others?

Emerging Issues

- 6PPD/6PPDq
- Microplastics
- Road salt

Jamboard Instructions

- Step 1-Panel 1: Identify priority topic area for funding (e.g., PFAS, STAR needs, emerging issue, etc.)
 - Add a star to 1-2 of your preferred topic areas 
- Step 2-Panels 2 and 3: Build out specific request for 1-2 topic areas
 - For example, if Education and outreach is a priority topic, specifics could be about PFAS FCA signage or infographic or story map or other